**Investigation and analysis of color distribution of M&M’s**

I heard someone say that in the USA when they pack the M&M’s, they (the machines) count and make sure the different colours have the same number in each packet.

Is that true?

Our department head (Mr. Slogberg) kindly brought different types of M&M’s from USA and would like us to help him prove if the above claim is true of not.

**Material needed**

Each students 1 mini pack of M&M’s (brought from USA)

A paper towel to hold the M&M’s (when you are counting them)

Instruction:

1. Make sure you wash your hands and draw a proper table as beloww to record your data before you start counting.

Colour Distribution of \*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ M&M

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Colour  Name | Yellow | Red | Brown | Green | Orange | Blue | Total per packet |
| Student 1 |  |  |  |  |  |  |  |
| Student 2 |  |  |  |  |  |  |  |
| Student 3 |  |  |  |  |  |  |  |
| Student 4 |  |  |  |  |  |  |  |
| Student 5 |  |  |  |  |  |  |  |
| Total per colour |  |  |  |  |  |  |  |
| % of each colour |  |  |  |  |  |  |  |

\*Peanut, Peanut Butter, Mike Chocolate

2. Calculate the % of each colour

3. Collect and record the data and results from a group who is using the same type of M&M’s as you.

4. Present your findings and results as a spreadsheet or chart.

5. Draw a conclusion from your findings.